U.S. PATENT APPLICATION INVENTOR: TADASHI HAYASHI

TITLE: MANIPULATOR

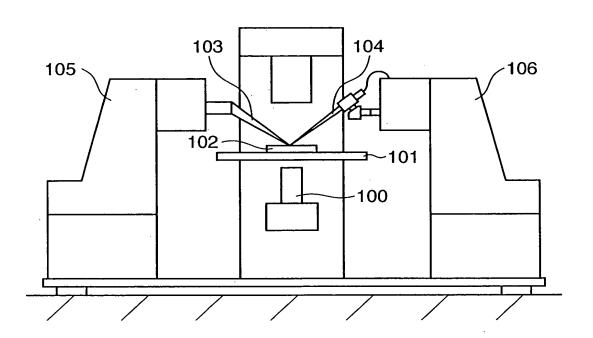
Sheet 1 of 4

Docket No.: 00862.018049 Appln. No.: 10/812,878

Art Unit: 3652 Filed: 03/31/2004



FIG. 16 (PRIOR ART)



REPLACEMENT SHEET

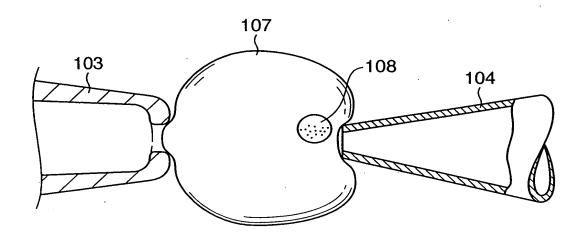
U.S. PATENT APPLICATION INVENTOR: TADASHI HAYASHI TITLE: MANIPULATOR

Sheet 2 of 4

Docket No.: 00862.018049 Appln. No.: 10/812,878

Art Unit: 3652 Filed: 03/31/2004

FIG. 17 (PRIOR ART)



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U.S. PATENT APPLICATION
INVENTOR: TADASHI HAYASHI
TITLE: AMANIPULATOR

Sheet 3 of 4

Docket No.: 00862.018049 Appln. No.: 10/812,878

Art Unit: 3652 Filed: 03/31/2004

18B (PRIOR ART)

18A (PRIOR ART)

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U.S. PATENT APPLICATION INVENTOR: TADASHI HAYASHI TITLE: MANIPULATOR

Sheet 4 of 4

Docket No.: 00862.018049 **Appin. No.:** 10/812,878

Art Unit: 3652 Filed: 03/31/2004

FIG. 19 (PRIOR ART)

